

LISTING OF CLAIMS

- 1. (Original)** A capacitive sensor comprising:
 - (a) an elongate first polymeric conductor,
 - (b) an elongate second polymeric conductor; and
 - (c) a non conductive web intermediate the first polymeric conductor and the second polymeric conductor to maintain a substantially fixed separation distance between the first and the second polymeric conductor.
- 2. (Original)** The capacitive sensor of Claim 1, wherein at least one of the first and the second polymeric conductors has one of a rectangular, square, circular, triangular, curvilinear or faceted cross section.
- 3. (Original)** The capacitive sensor of Claim 1, wherein the first and the second polymeric conductors are directly bonded to the non conductive web.
- 4. (Previously presented)** The capacitive sensor of Claim 1, further comprising an auxiliary layer intermediate the first and the second polymeric conductor.
- 5. (Previously presented)** The capacitive sensor of Claim 4, wherein the auxiliary layer is one of a conducting and non conducting material.
- 6. (Previously presented)** The capacitive sensor of Claim 1, further comprising a weatherseal body connected to one of the first polymeric conductor, the second conductive polymeric conductor and the non conductive web.
- 7. (Original)** The capacitive sensor of Claim 1, wherein the first polymeric conductor and the second polymeric conductor are embedded in a non conductive polymer.
- 8. (Original)** The capacitive sensor of Claim 1, wherein the non conductive web provides a maximum and minimum separation of the first and second polymeric conductors.

9. **(Original)** The capacitive sensor of Claim 1, further comprising a secondary conductor in at least one of the first polymeric conductor and the second polymeric conductor.

10. **(Original)** The capacitive sensor of Claim 1, wherein the secondary conductor is a wire.

11. **(Original)** The capacitive sensor of Claim 10, wherein the secondary conductor includes a plurality of strands.

12. **(Original)** The capacitive sensor of Claim 1, further comprising a non conductive body embedding the first and second polymeric conductors.

13. **(Original)** The capacitive sensor of Claim 12, wherein the non conductive body has one of a rectangular, square, circular, triangular, curvilinear or faceted cross section.

14. **(Original)** The capacitive sensor of Claim 12, wherein the non conductive body is integral with the web.

15. **(Original)** An elongate capacitive sensor for installation about an opening in a motor vehicle, the opening having at least one corner, the sensor comprising:

- (a) a one-piece extruded non conducting body; and
- (b) a first polymeric conductor and a second polymeric conductor embedded in the body,

the body configured to substantially maintain a nominal separation distance between the first polymeric conductor and the second polymeric conductor after installation about the corner.

16. **(Original)** The capacitive sensor of Claim 15, wherein the first and the second polymeric conductors have substantially similar cross sectional profiles.

17. **(Original)** The capacitive sensor of Claim 15, wherein the polymeric conductors include a conductor selected from the group consisting of carbon blacks, graphite and metal powder.

18. **(Original)** The capacitive sensor of Claim 15, wherein the body surrounds a cross section of the first polymeric conductor and the second polymeric conductor.

19. **(Original)** The capacitive sensor of Claim 15, wherein at least one of the first and the second polymeric conductor has one of a rectangular, square, circular, triangular, curvilinear or faceted cross section.

20. **(Original)** The capacitive sensor of Claim 15, wherein the first and the second polymeric conductors are directly bonded to the web.

21. **(Previously presented)** The capacitive sensor of Claim 15, further comprising an auxiliary layer intermediate the first and the second polymeric conductor.

22. **(Previously presented)** The capacitive sensor of Claim 21, wherein the auxiliary layer is one of a conducting and non conducting material.

23. **(Original)** The capacitive sensor of Claim 15, wherein body maintains a substantially constant separation distance between the first and second polymeric conductors.

24. **(Original)** The capacitive sensor of Claim 15, further comprising a secondary conductor in at least one of the first polymeric conductor and the second polymeric conductor.

25. **(Original)** The capacitive sensor of Claim 24, wherein the secondary conductor is a wire.

26. **(Original)** The capacitive sensor of Claim 24, wherein the secondary conductor includes a plurality of strands.

27. **(Original)** The capacitive sensor of Claim 15, wherein the body has one of a rectangular, square, circular, triangular, curvilinear or faceted cross section.

28. **(Original)** The capacitive sensor of Claim 15, wherein the body is configured to maintain less than a 10 percent variation in the separation distance along the length of the sensor in the corner.

29. **(Original)** A capacitive sensor, comprising a polymeric conductor embedded within a non conductive polymeric body, a cross sectional periphery of the polymeric conductor substantially defined by the body.

30. **(Previously presented)** The capacitive sensor of Claim 29, wherein the polymeric body defines at least a portion of a weatherseal.

31. **(Previously presented)** A method manufacturing a capacitive sensor for installation about a motor vehicle opening having at least one corner, the method comprising forming a non conductive web intermediate a first polymeric conductor and a second polymeric conductor to define a separation distance between the first and the second polymeric conductor, the web configured to substantially maintain the separation distance upon installation about the corner.

32. **(Previously presented)** The method of Claim 31, further comprising maintaining the separation distance after installation to within 10 percent of the separation distance before installation.

33. **(Previously presented)** The method of Claim 31, further comprising maintaining the separation distance after installation about a corner having a radius less than 45 mm to within 10 percent of the separation distance before installation.

34. **(Previously presented)** A capacitive sensor comprising:

- (a) an elongate first polymeric conductor;
- (b) an elongate second polymeric conductor; and

(c) a non conductive web intermediate the first and the second polymeric conductor, the web and the first and the second polymeric conductor defining a radius of curvature and the web maintaining a substantially fixed separation distance between the first and the second polymeric conductor along the radius of curvature.

35. **(Previously presented)** The capacitive sensor of Claim 34, wherein the web maintains the separation distance to within 10 percent of a nominal separation distance.

36. **(Previously presented)** The capacitive sensor of Claim 34, further comprising a polymeric body at least partially surrounding one of the polymeric conductors, the web being a harder material than the body.

37. **(Previously presented)** The capacitive sensor of Claim 34, wherein the radius of curvature is less than 35mm.